

FIG. 1

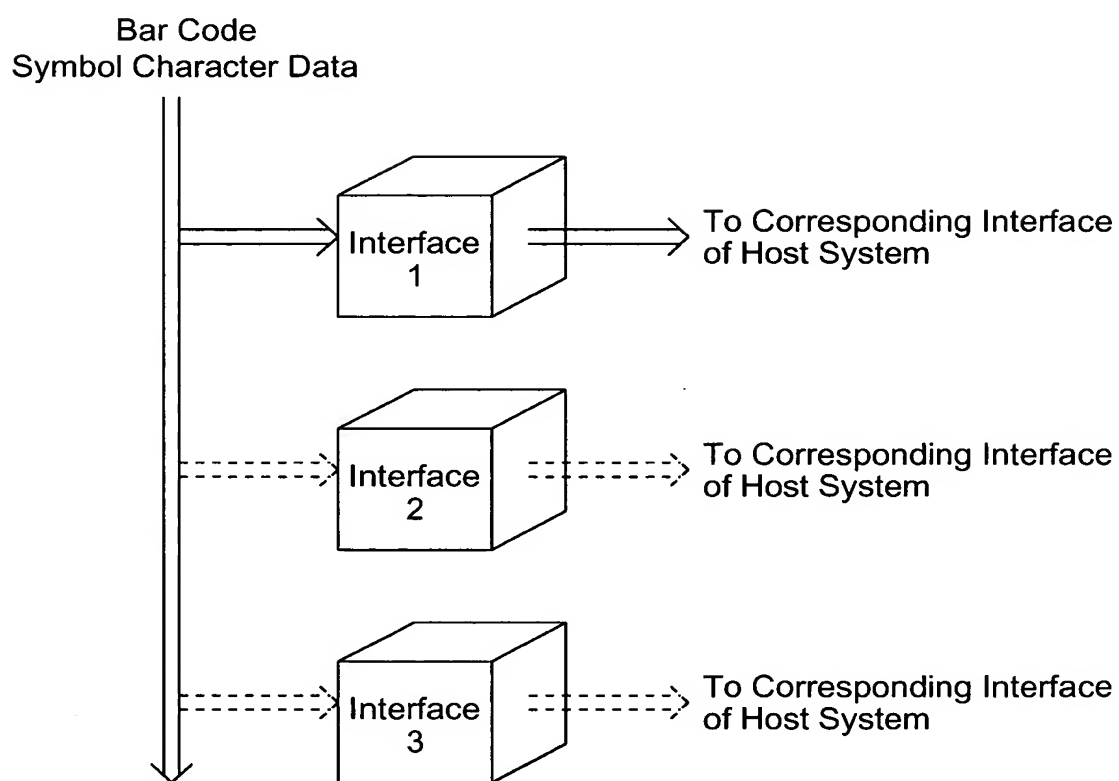


FIG. 2

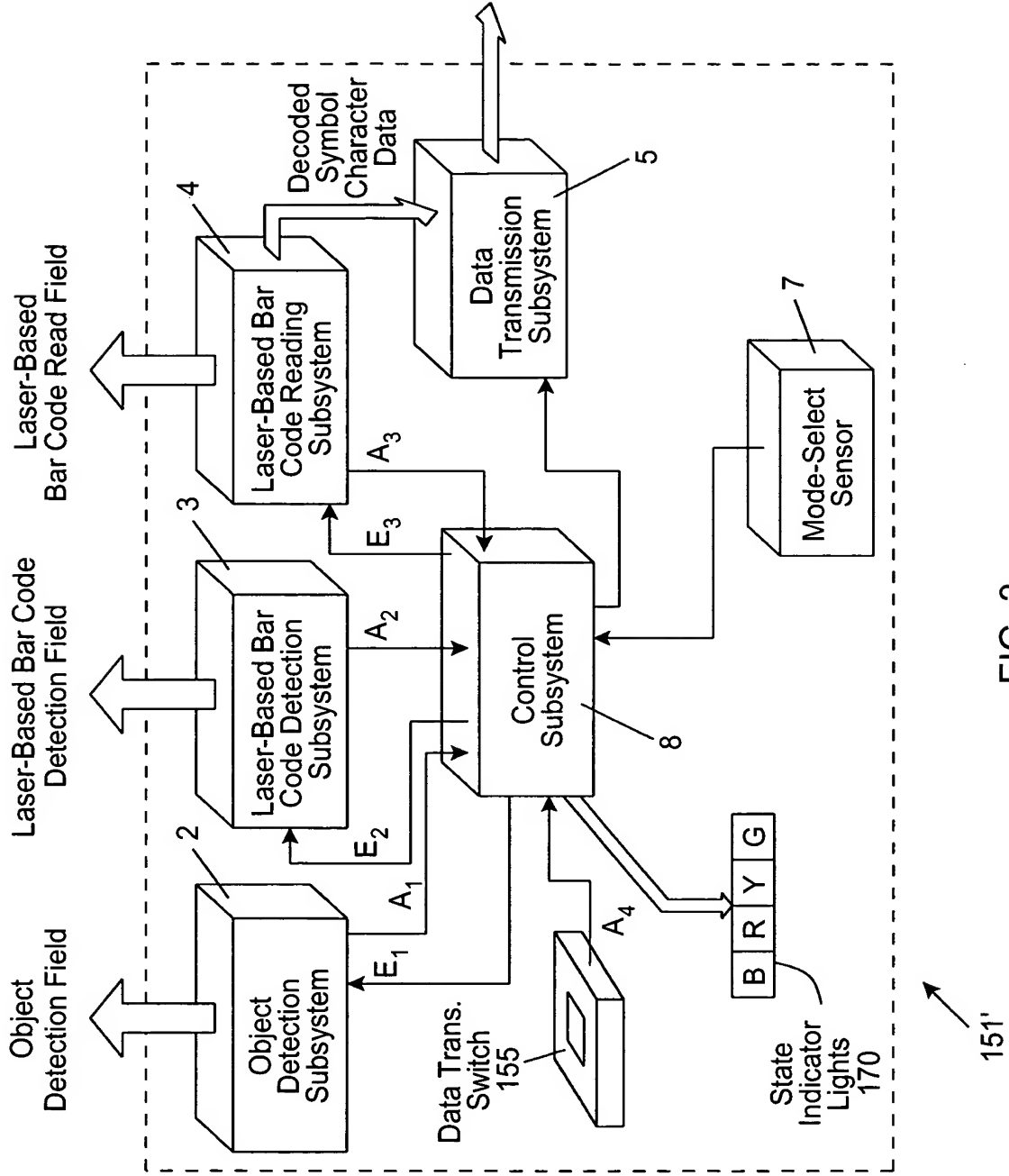


FIG. 3

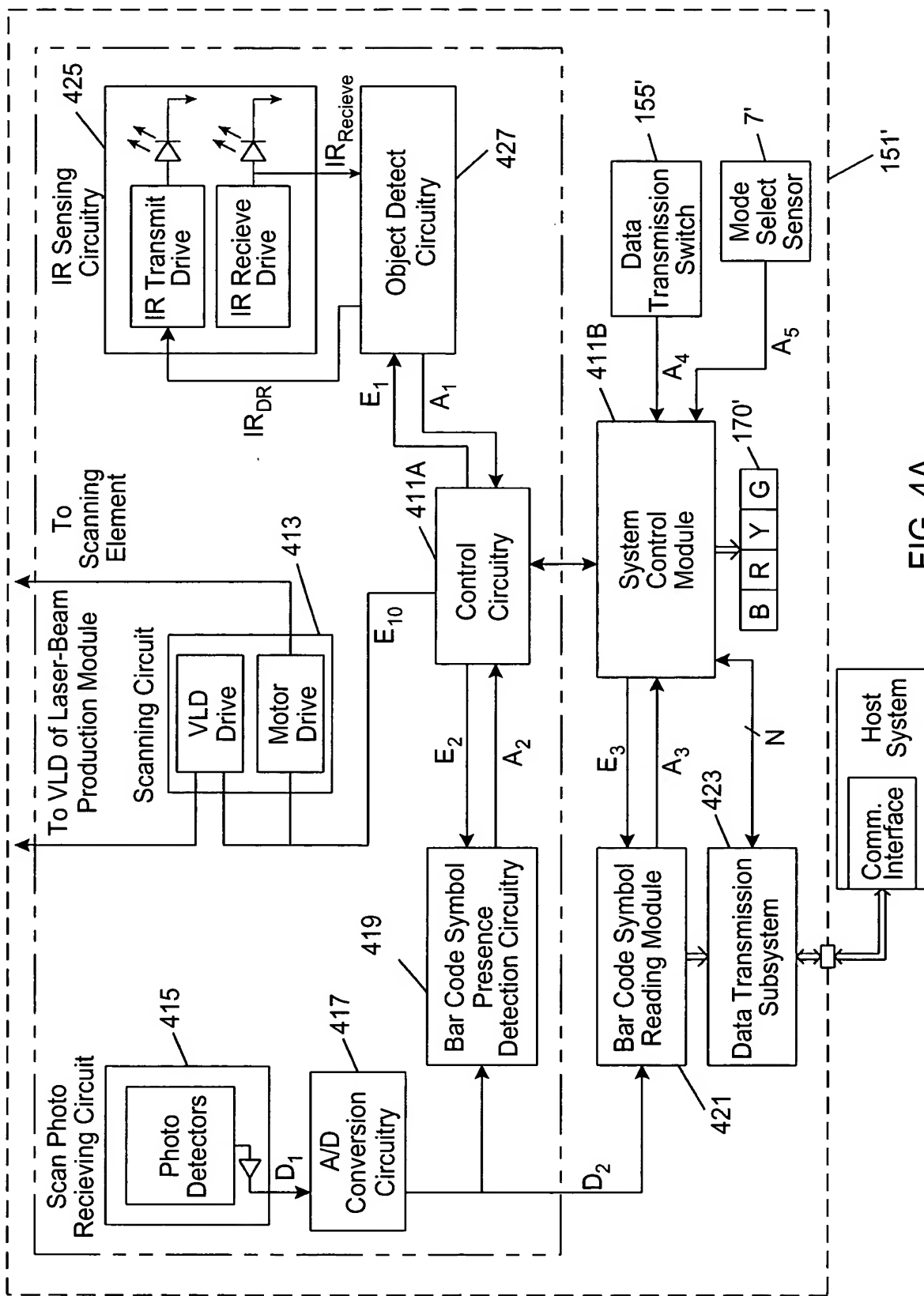


FIG. 4A

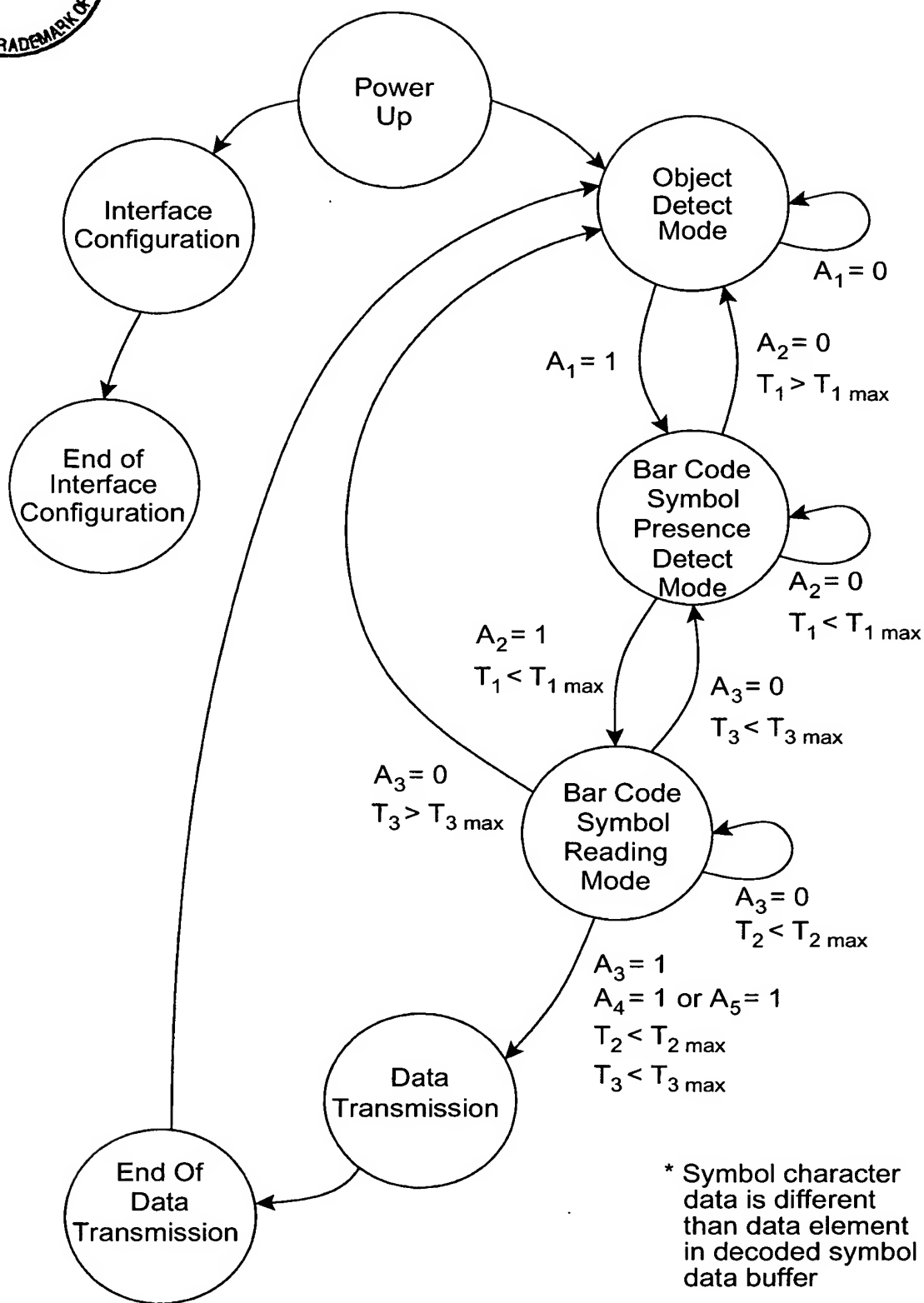


FIG. 4B

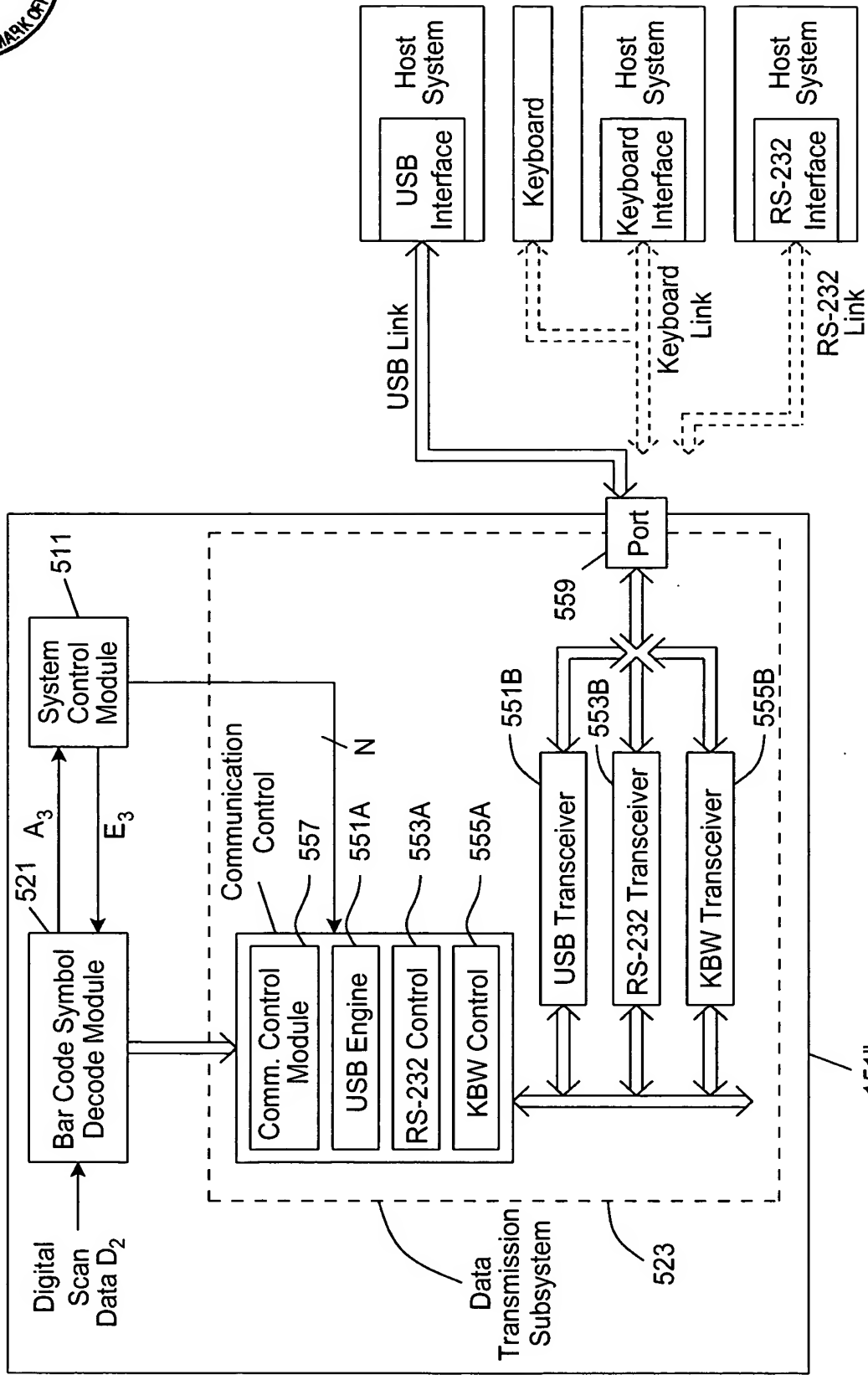


FIG. 5

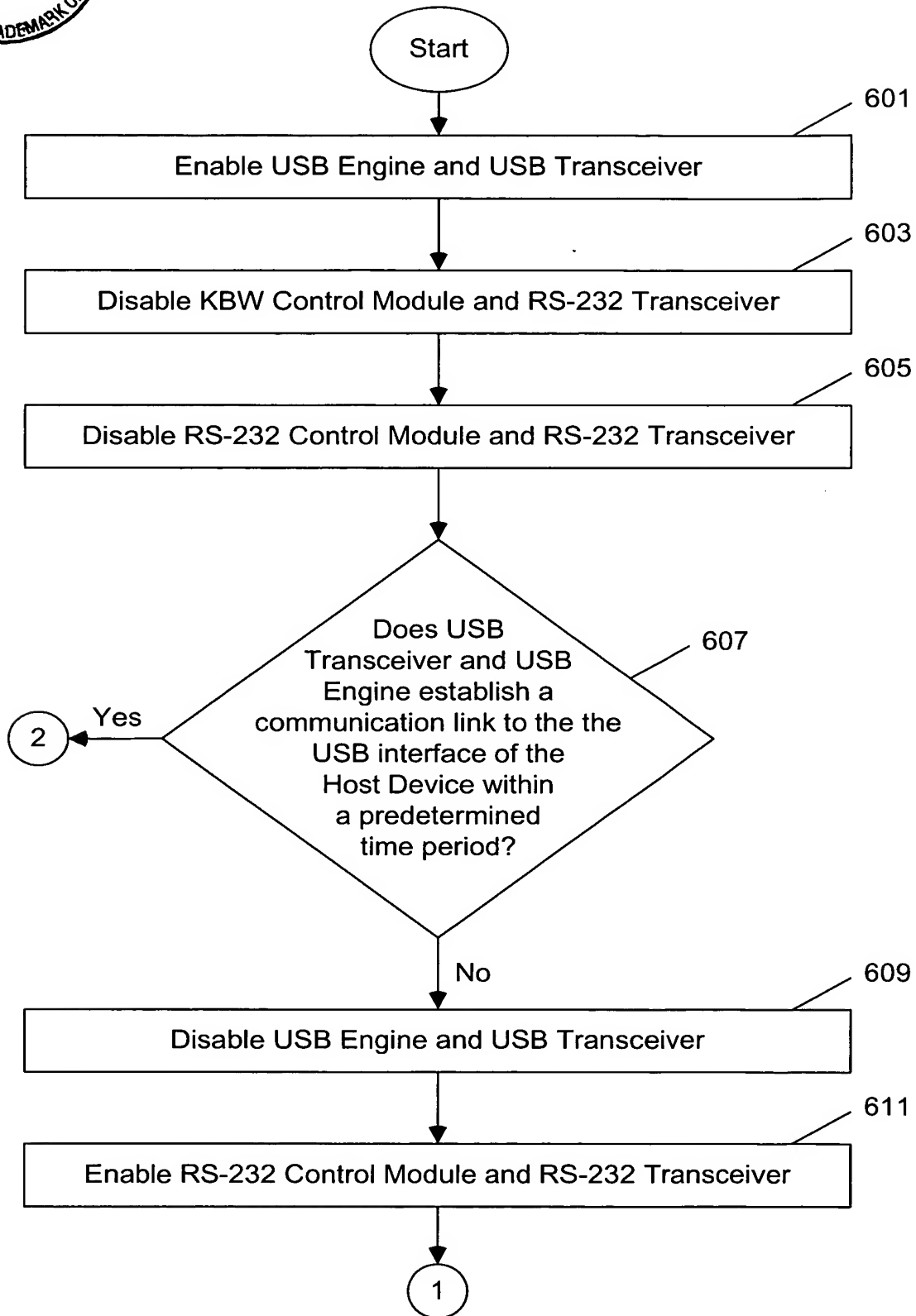


FIG. 6A

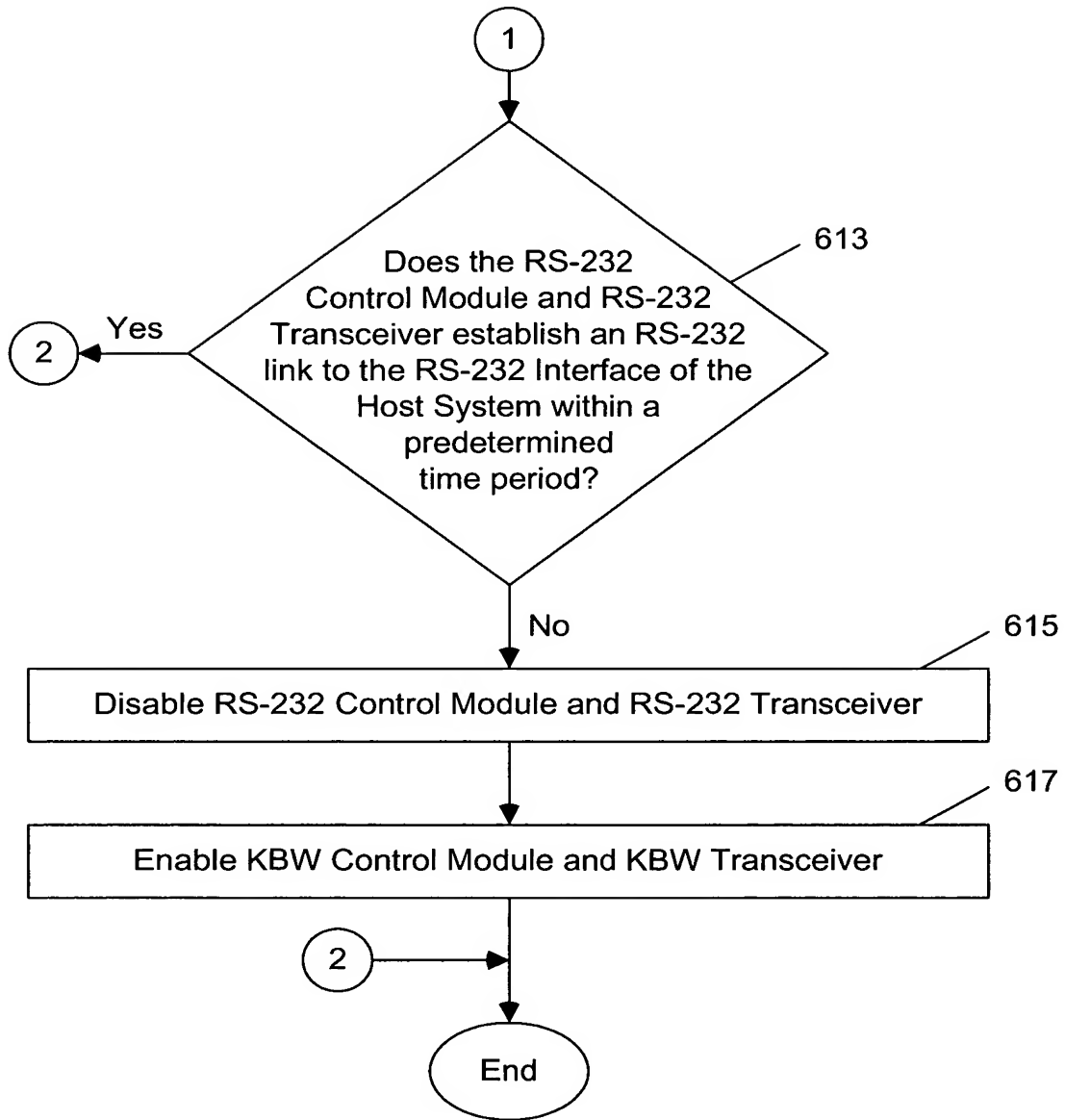


FIG. 6B



RS-232 Waveform

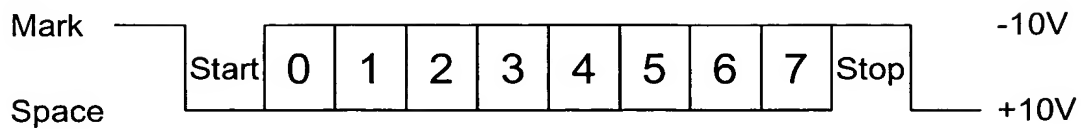


FIG. 7

Keyboard to Host Waveform

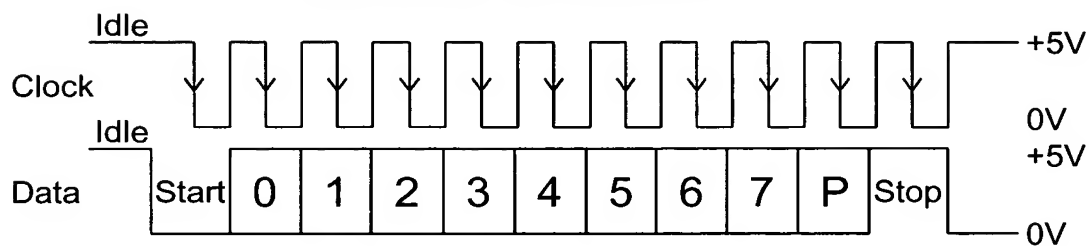


FIG. 8A

Host to Keyboard Waveform

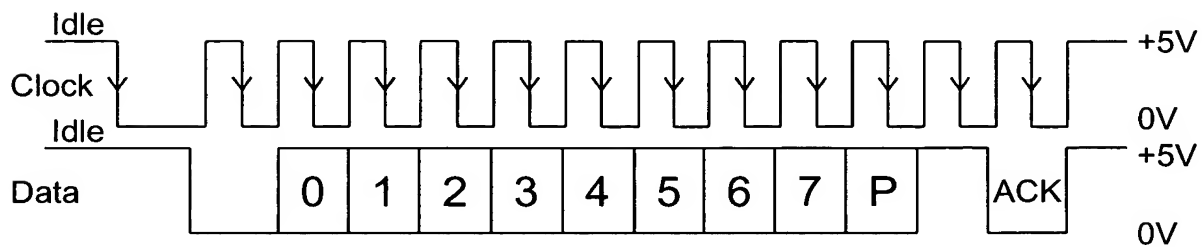
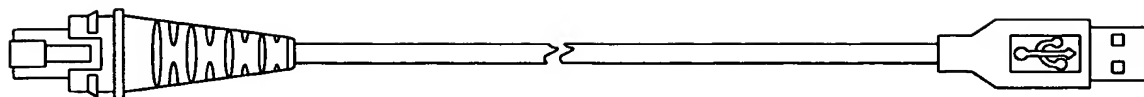


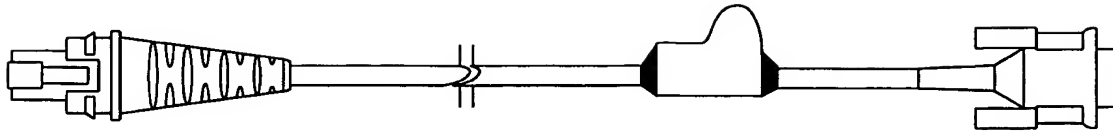
FIG. 8B



10-Pin Connector (USB)	
Pin	Function
1	Ground
2	D-
3	D+
4	No Connection
5	No Connection
6	No Connection
7	PC+5V/V_USB
8	No Connection
9	No Connection
10	Shield Ground

USB Cable Connector	
Pin	Function
1	PC+5V/V_USB
2	D-
3	D+
4	Ground
5	Shield Ground

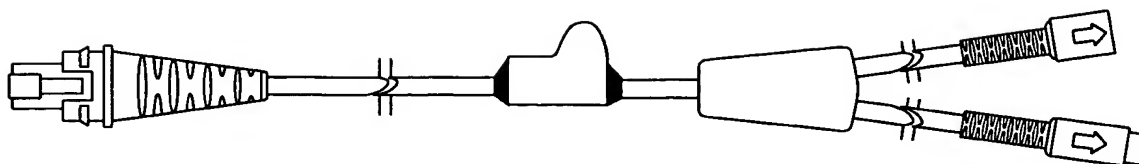
FIG. 9A



10-Pin Connector (RS-232)	
Pin	Function
1	Ground
2	RS-232 Transmit Output
3	RS-232 Receive Input
4	RTS Output
5	CTS Input
6	DTR Input
7	No Connection
8	No Connection
9	+5VDC
10	Shield Ground

RS-232 Cable Connector	
Pin	Function
1	Shield Ground
2	RS-232 Transmit Output
3	RS-232 Receive Input
4	DTR Input
5	Power/Signal Ground
6	Light Pen Data
7	CTS Input
8	RTS Output
9	+5VDC*

FIG. 9B



10-Pin Connector (KBW)	
Pin	Function
1	Ground
2	No Connection
3	No Connection
4	PC Data
5	PC Clock
6	KB Clock
7	+5V DC
8	KB Data
9	V_EXT
10	No Connection

5-Pin Female DIN	
Pin	Function
1	Keyboard Clock
2	Keyboard Data
3	No Connection
4	Power Ground
5	+5 Volts DC

6-Pin Male Mini-DIN	
Pin	Function
1	PC Data
2	No Connection
3	Power Ground
4	+5 Volts DC
5	PC Clock
6	No Connection

FIG. 9C

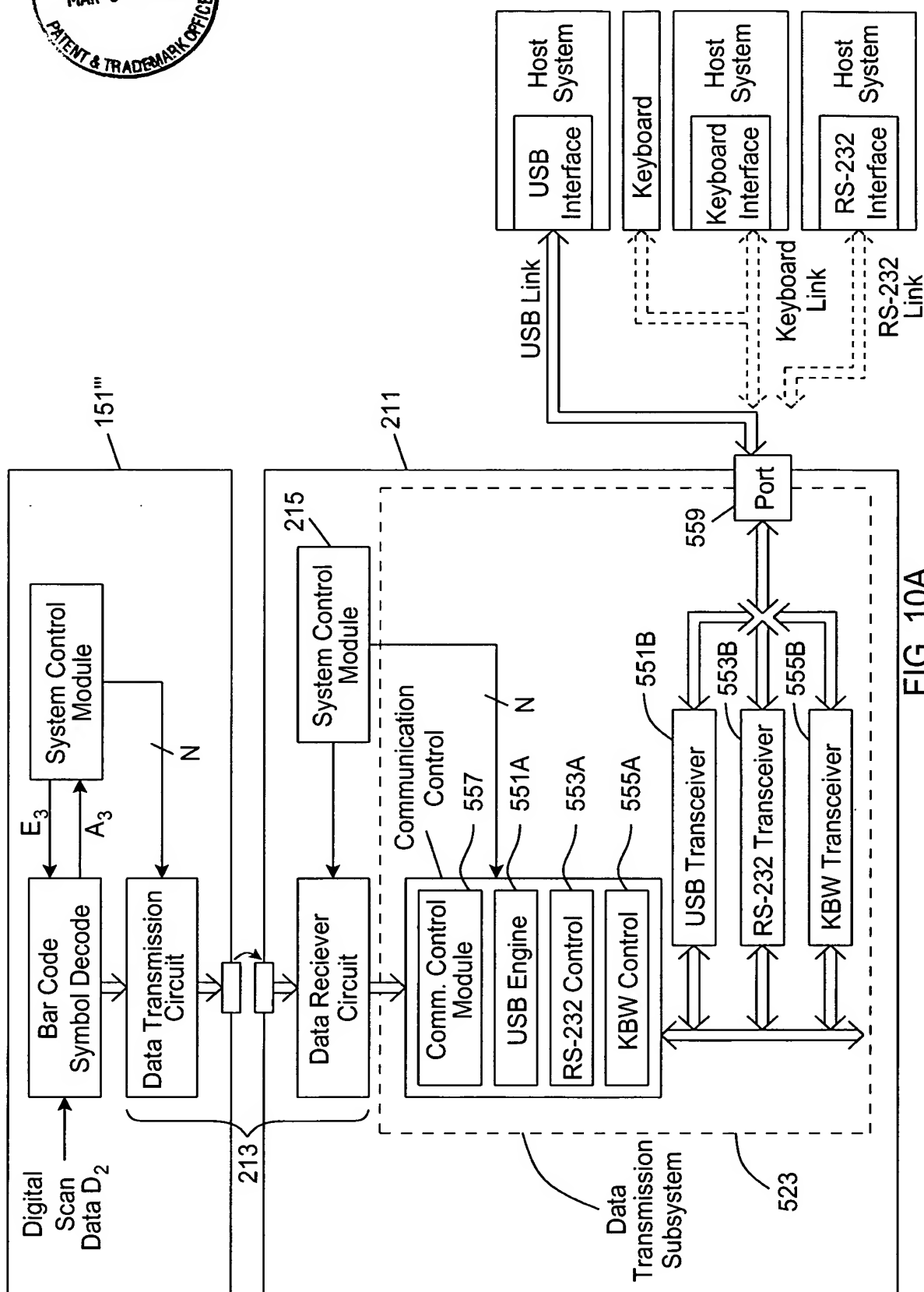


FIG. 10A

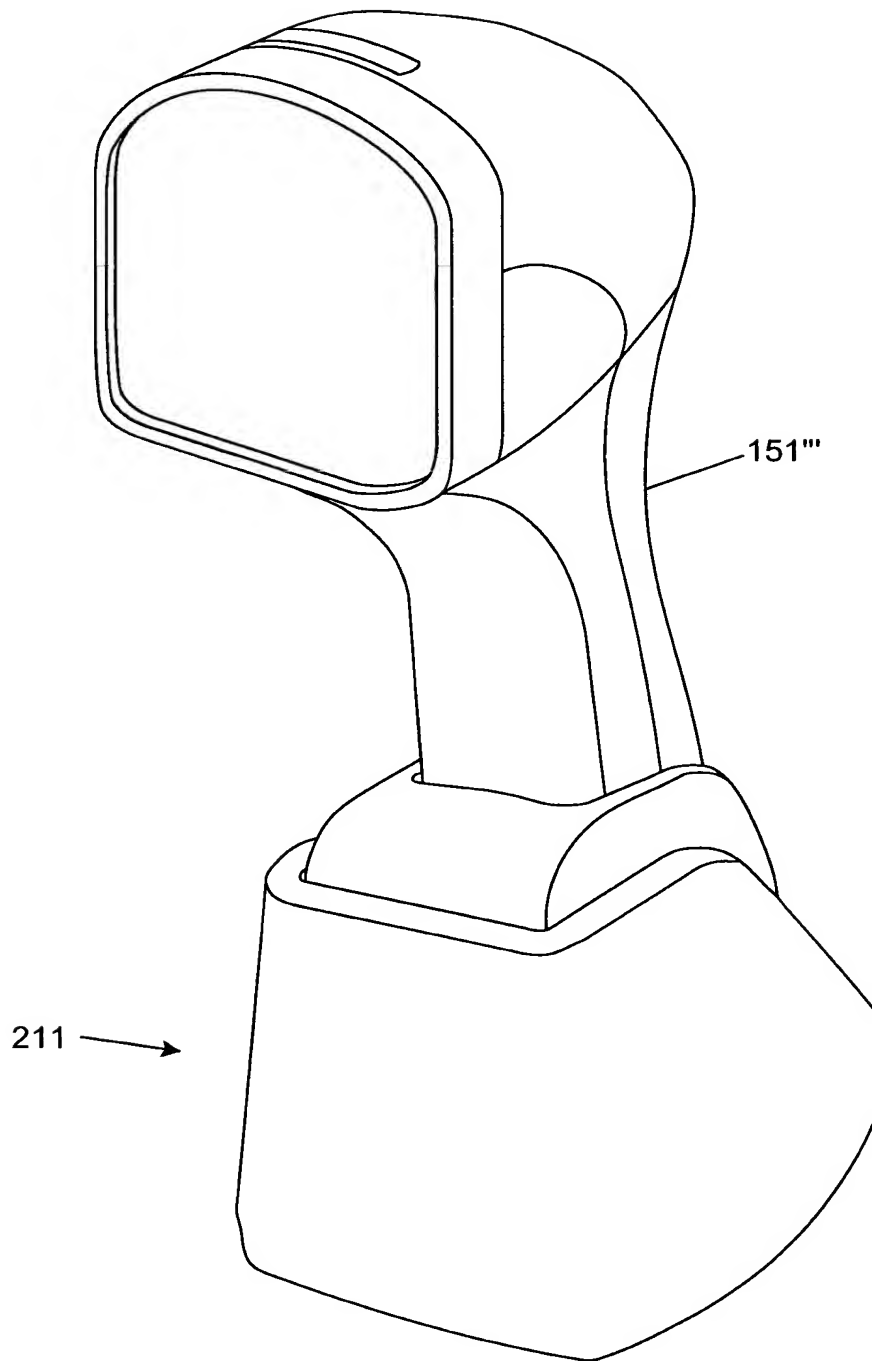


FIG. 10B

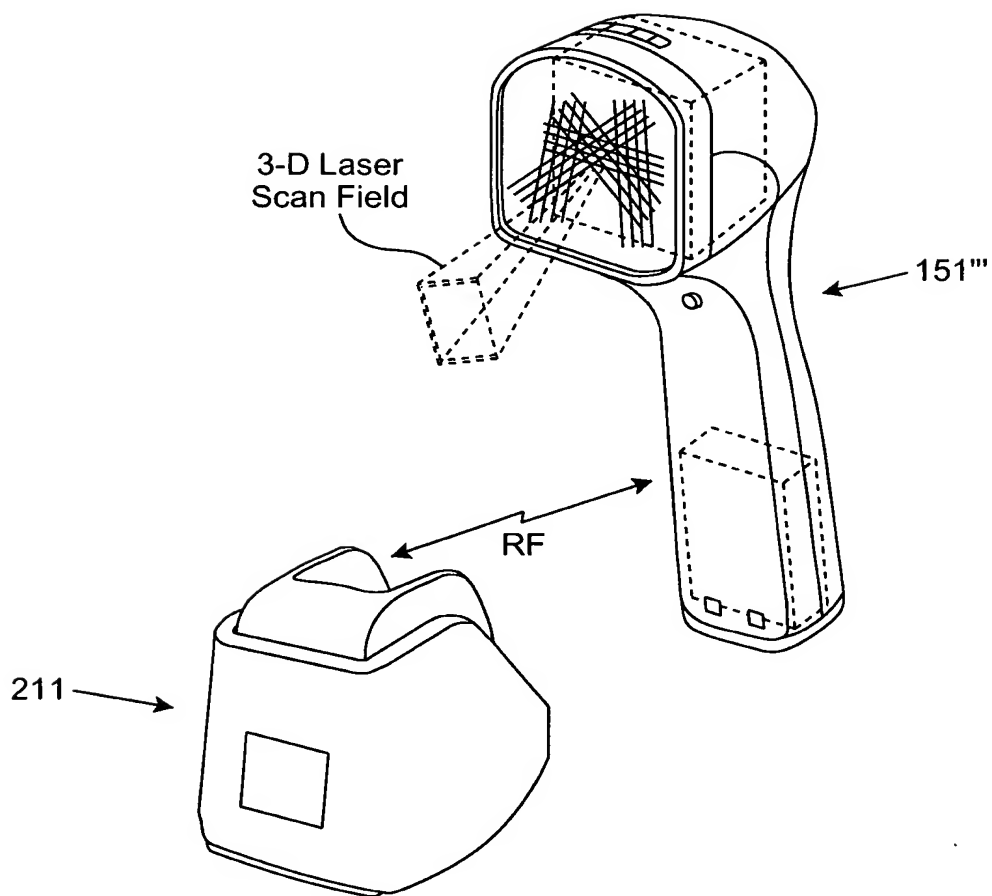


FIG. 10C

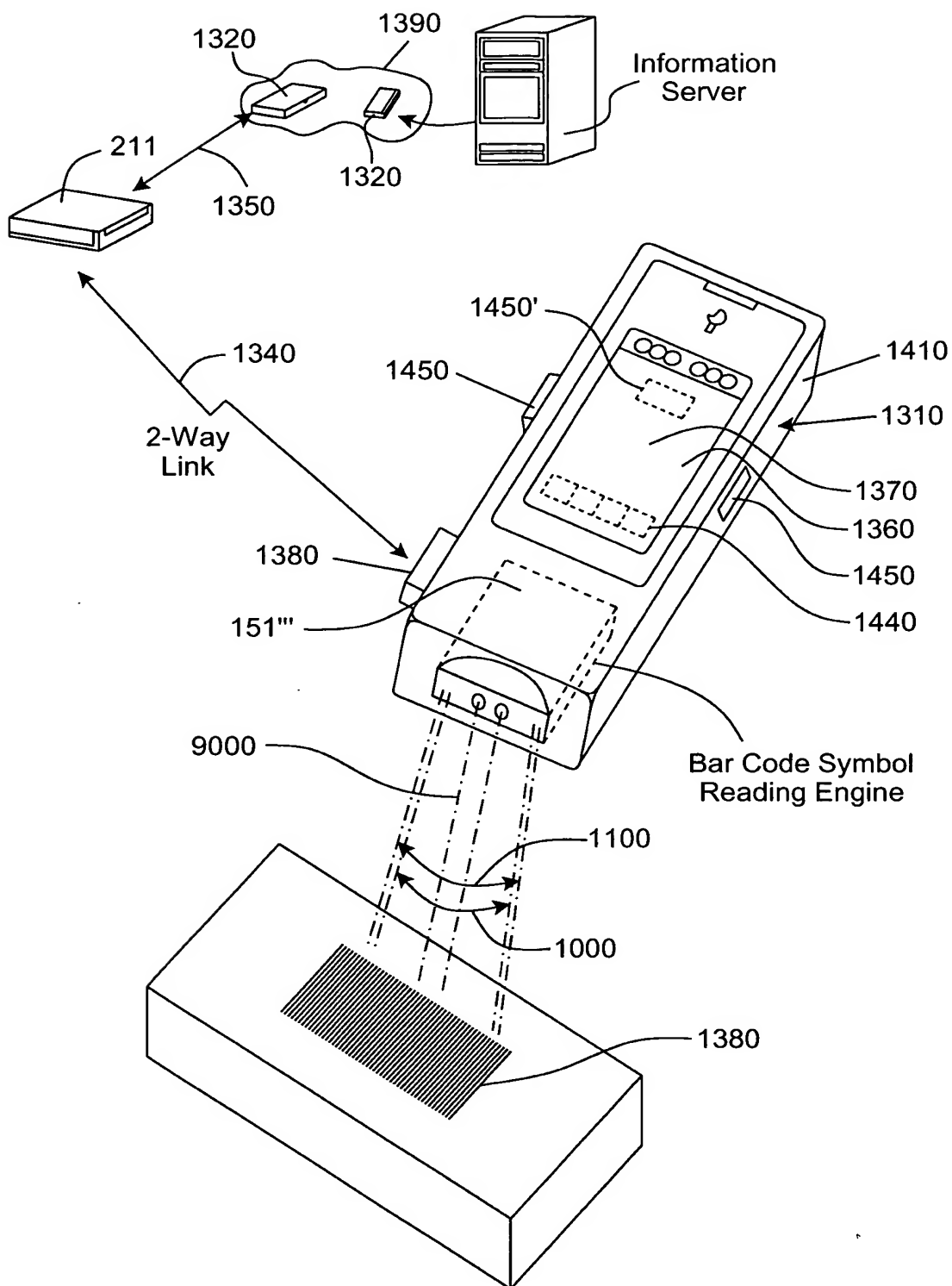


FIG. 11